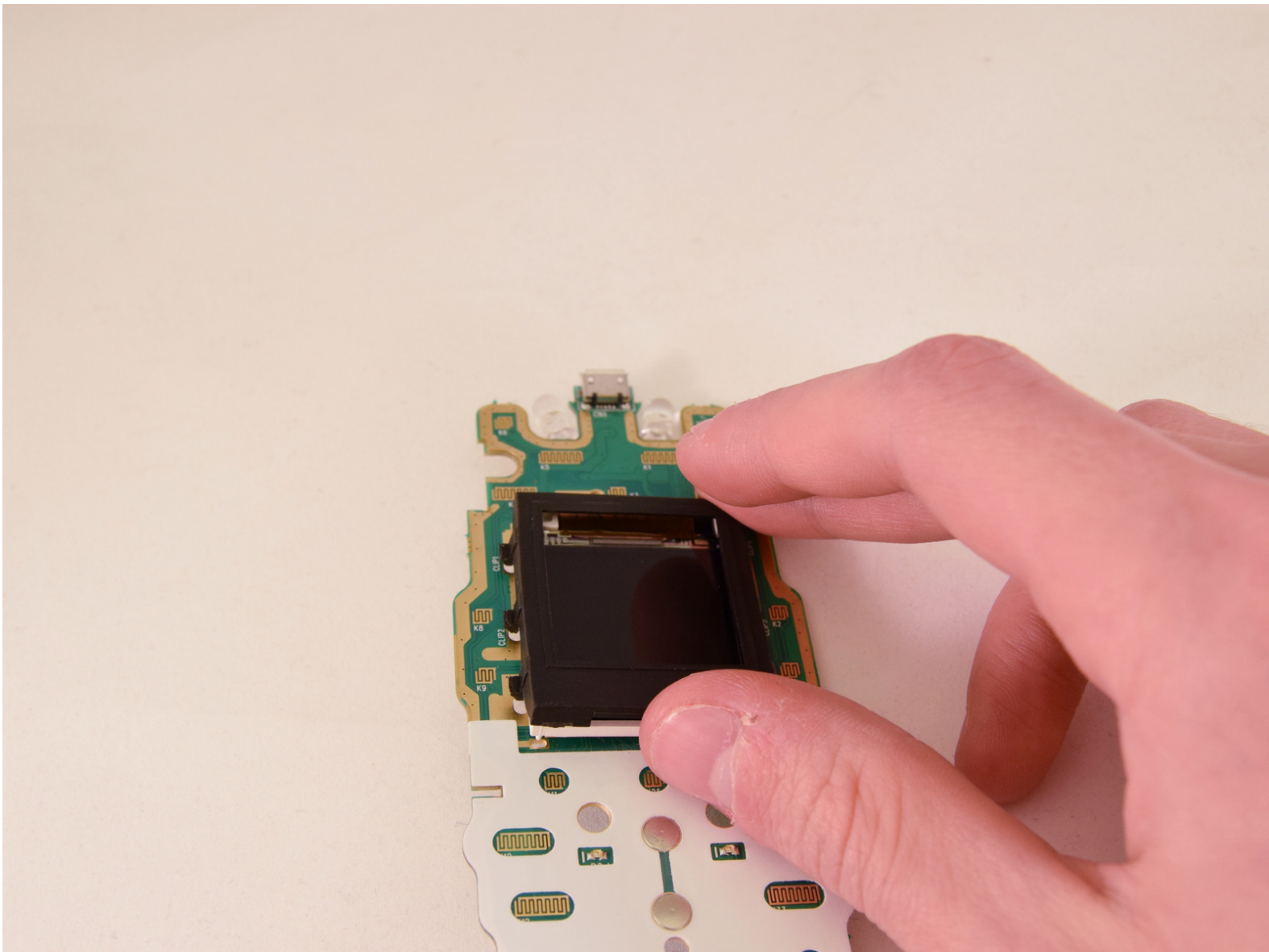




Logitech Harmony 650 Screen Replacement

How to replace the Screen on the Logitech Harmony 650 Universal Remote.

Written By: Connor Gallagher



INTRODUCTION

It is recommended that you have the iFixit ProTech toolkit and have already taken out the motherboard and taken apart the case.



TOOLS:

- [Pro Tech Toolkit](#) (1)
 - [Soldering Station](#) (1)
 - [Heavy-Duty Spudger](#) (1)
 - [Phillips #000 Screwdriver](#) (1)
 - [Desoldering Braid](#) (1)
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Step 1 — Case



- Remove the battery cover by applying pressure to the indented area and pushing the cover toward the rear of the device.

Step 2



- Remove the batteries using the silver pull tab.

Step 3



- Using a J000 Philips head screwdriver remove the four 5mm screws around the rim of the battery chamber.

Step 4



- Remove the small plastic cover beneath the plastic LED housing by using a 3.0 flathead screwdriver and a spudger to pry it off. It is glued to the case. If you are having trouble removing it try applying some heat to loosen the glue.

Step 5



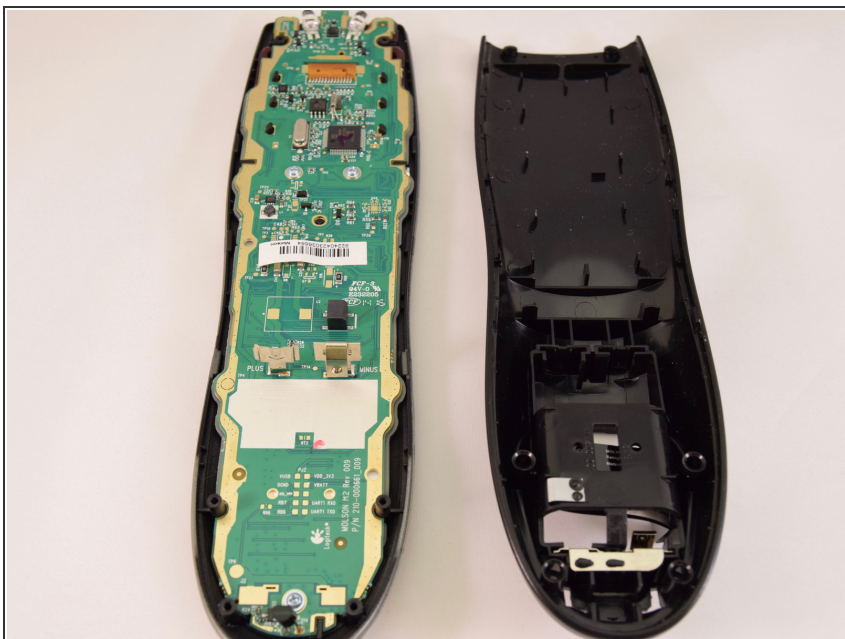
- Remove the two 5mm screws located underneath the cover using a J000 Philips screwdriver bit.

Step 6



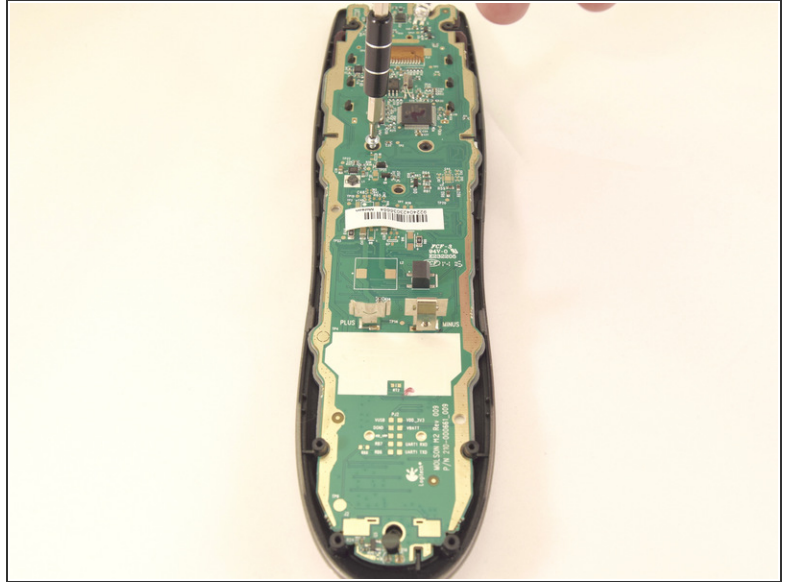
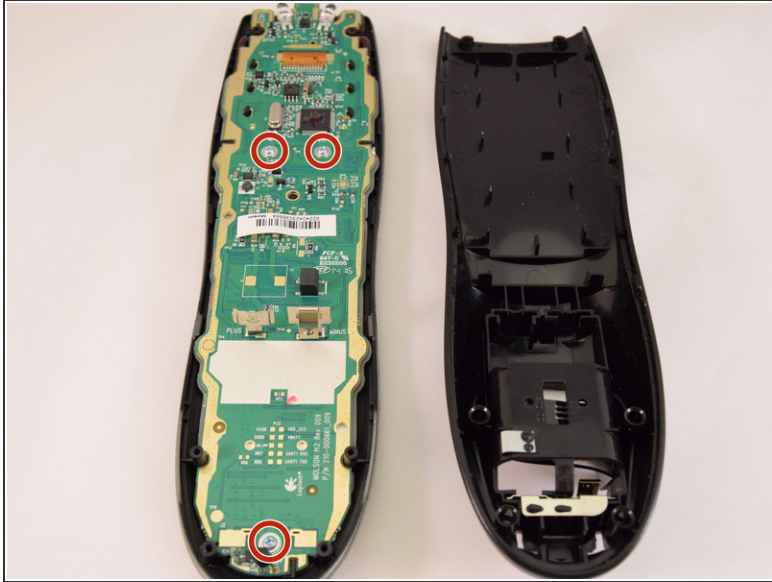
- Using a plastic opening tool, pry the case off starting from the top of the device (nearest the transmitter). There are 3 tabs along the side of the case and one at the back.
- The top led protector plastic cover will also be freed once back is removed.

Step 7



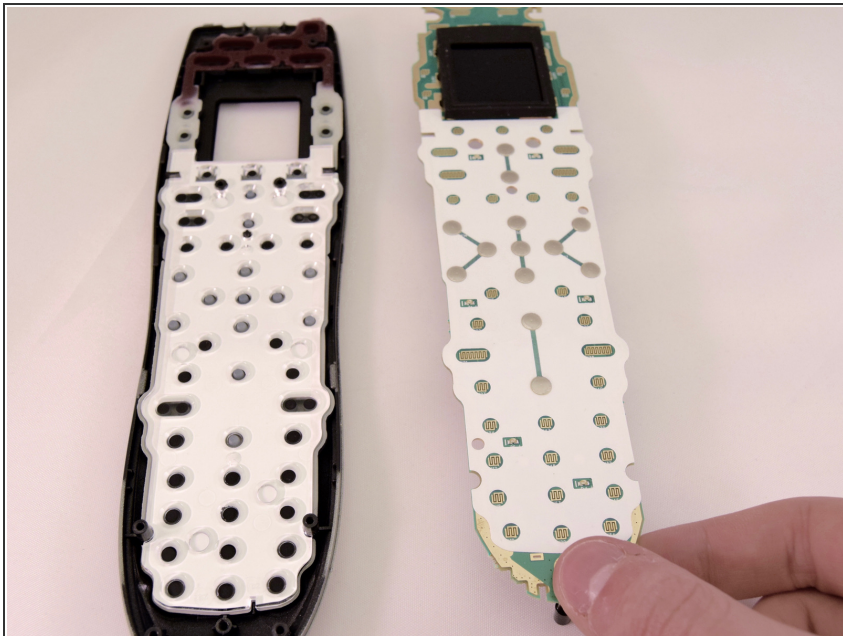
- Remove the rear cover.

Step 8 — Motherboard



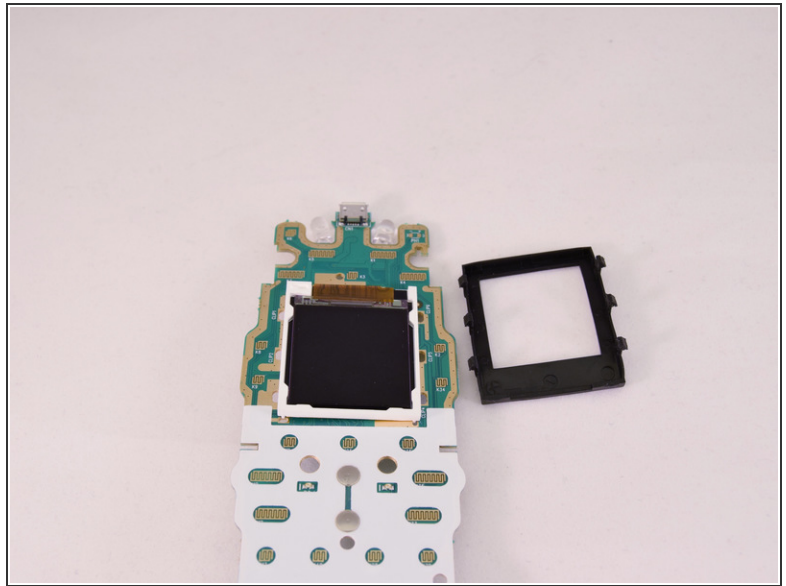
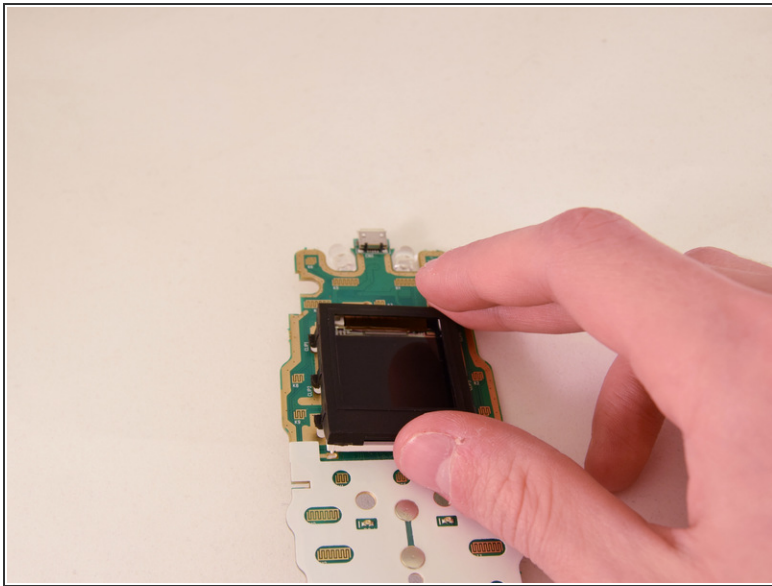
- Using a J0 screwdriver remove the three 5mm screws holding the motherboard to the front face. Two are located just below the processor in the middle of the device and the third is located at the very bottom.

Step 9



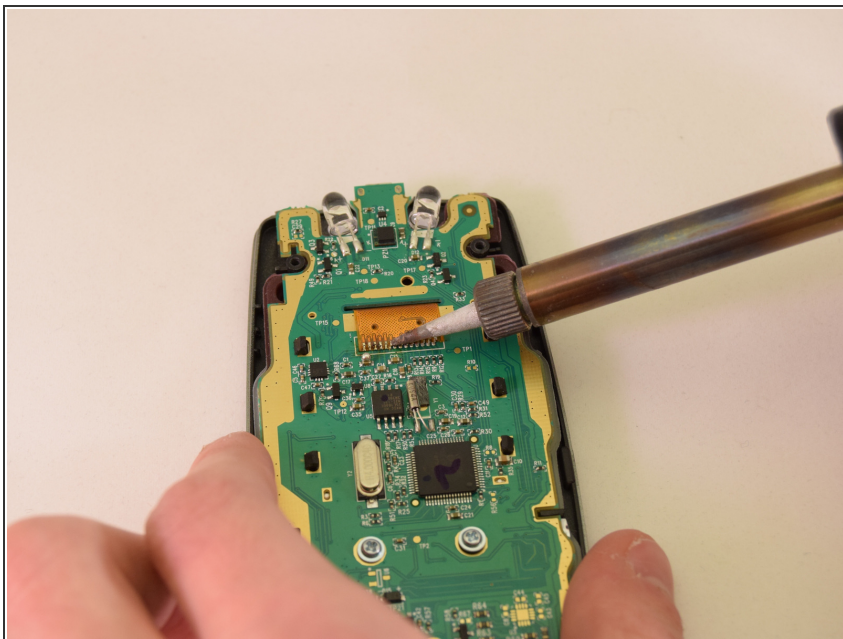
- Remove the motherboard by gently pulling it away from the case.

Step 10 — Screen




- Remove the black rubber gasket that surrounds the screen from the top face of the motherboard.
- The gasket has 3 tabs along each side. The thick side of the gasket faces the top.

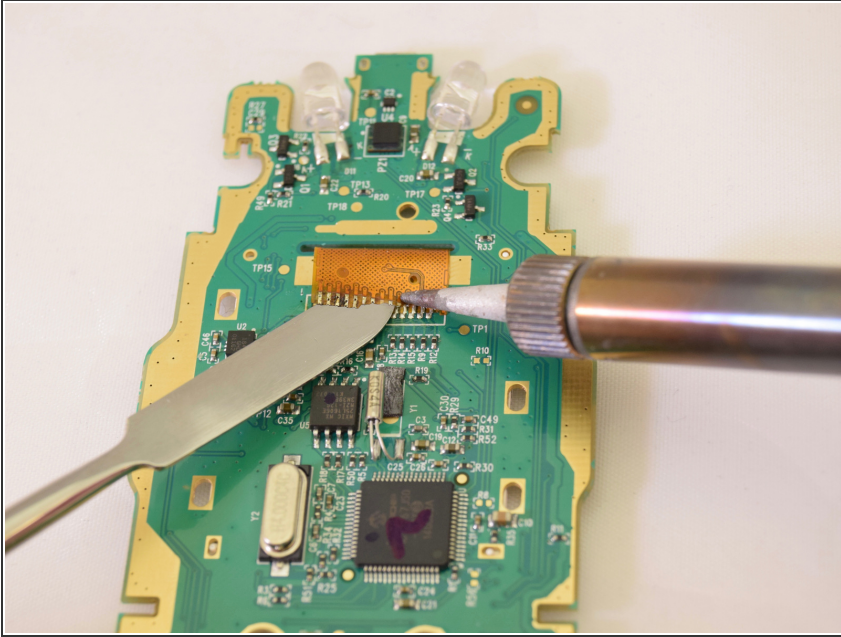
Step 11



- Use a soldering iron to loosen the solder that connects the screen strip to the back of the motherboard. If it does not loosen easily then try using a soldering remover wick.

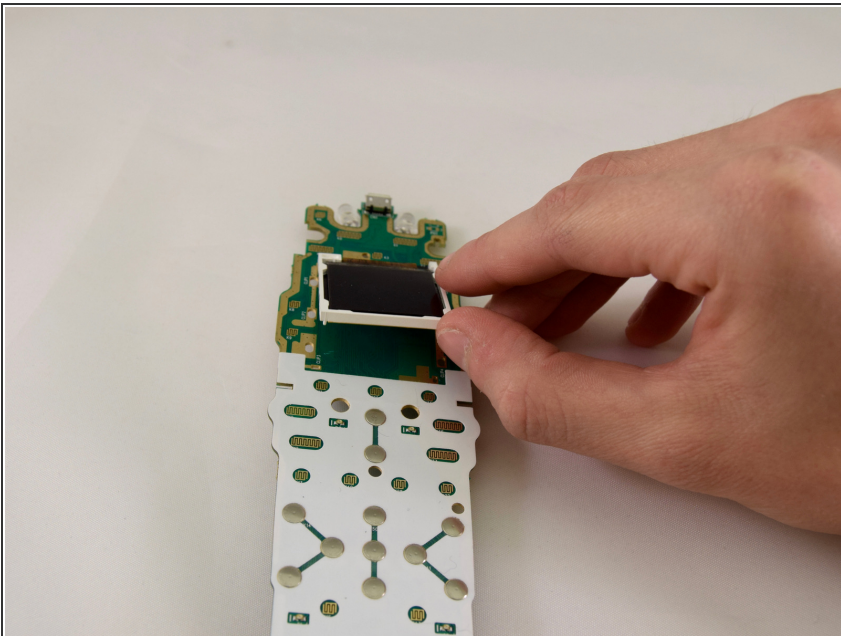
 The soldering iron gets extremely hot use caution when using it around components.

Step 12



- Use a metal spudger to cut the strip from the motherboard along the solder line.
- ① Refer to [How To Solder and Desolder Connections](#) for help with soldering.

Step 13



- Use a spudger or your hand to remove the screen from the motherboard. It is glued down.

To reassemble your device, follow these instructions in reverse order.

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